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## WHAT IS CLAIMED IS:

1. In a computer system, an improved method for developing a Web application, the method comprising:

providing a Web application framework, said framework including an abstract command tag that predefines at least some generic Web application activities;

specifying at least one custom action that is desired to be performed by a Web application under development;

creating a Java class that extends the abstract command tag for providing execution logic for said at least one custom action, in addition to pre-existing logic that supports said at least some generic Web application activities, thereby creating a corresponding customized command tag that is capable of being embedded within a Web page, wherein said customized command tag includes the ability to conditionally execute said specified at least one custom action based on run-time conditions;

embedding the customized command tag in a Web page of the Web application; and executing the Web application, including invoking the customized command tag for conditionally executing said specified at least one custom action based on run-time conditions.

- 2. The method of claim 1, wherein said run-time conditions include run-time parameters specified during invocation of the customized command tag.
- 3. The method of claim 2, wherein said run-time parameters are specified via Hypertext Transport Protocol (HTTP) parameters, during invocation of the customized command tag.
- 4. The method of claim 1, wherein said abstract command tag comprises an abstract base class.

- 5. The method of claim 1, wherein said abstract command tag includes an abstract execute method.
- 6. The method of claim 5, wherein said abstract execute method is overridden during creation of the customized command tag, for defining a customized execute method providing specific runtime execution logic for the customized command tag.
- 7. The method of claim 5, wherein creation of a Java class that extends the base class includes providing an implementation for the abstract execute method.
- 8. The method of claim 1, wherein said customized command tag includes an ability to conditionally affect application flow based on results obtained from a specified action.
- 9. The method of claim 8, wherein application flow is affected by routing to a particular Web page.
  - 10. The method of claim 8, wherein said result obtained is either success or failure.
- 11. The method of claim 10, wherein application flow is directed to a first page if a success is obtained as the result, and is directed to a second page if a failure is obtained as the result.
- 12. The method of claim 8, wherein said application flow includes routing to a different page than is currently displayed in a user's browser.
- 13. The method of claim 1, wherein said generic Web application activities include error recording.

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- 14. The method of claim 1, wherein said generic Web application activities include filtering of requests.
- 15. The method of claim 1, wherein said generic Web application activities include page routing.
- 16. The method of claim 1, wherein said generic Web application activities include activities that may be predefined before application execution.
- 17. The method of claim 1, wherein said customized command tag is invoked when an end user activates a link that points to a Web page containing the customized command tag.
- 18. The method of claim 17, wherein said link comprises a Uniform Resource Locator (URL).
- 19. The method of claim 17, wherein said Web page containing the customized command tag comprises a JSP (JavaServer Page) compatible page.
  - 20. The method of claim 1, further comprising:

compiling the JSP-compatible page into a servlet, said servlet corresponding to said created Java class that extends the abstract command tag.

21. A Web application framework comprising:

specification of an abstract command tag that predefines at least some generic Web application activities;

a programming environment for:

(i) specifying at least one custom action that is desired to be performed by a Web application under development, by supporting creation of a Java class that extends the abstract command tag for providing execution logic for said at least one custom action,

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thereby creating a corresponding customized command tag that is capable of being embedded within a Web page, wherein said customized command tag includes the ability to conditionally execute said specified at least one custom action based on run-time conditions; and

(ii) embedding the customized command tag in a Web page of the Web application;

wherein execution of the Web application includes invocation of the customized command tag for conditionally executing said specified at least one custom action based on run-time conditions.

- 22. The framework of claim 21, wherein said run-time conditions include run-time parameters specified during invocation of the customized command tag.
- 23. The framework of claim 22, wherein said run-time parameters are specified via Hypertext Transport Protocol (HTTP) parameters, during invocation of the customized command tag.
- 24. The framework of claim 21, wherein said abstract command tag comprises an abstract base class.
- 25. The framework of claim 21, wherein said abstract command tag includes an abstract execute method.
- 26. The framework of claim 25, wherein said abstract execute method is overridden during creation of the customized command tag, for defining a customized execute method providing specific runtime execution logic for the customized command tag.
- 27. The framework of claim 25, wherein creation of a Java class that extends the base class includes providing an implementation for the abstract execute method.

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- 28. The framework of claim 21, wherein said customized command tag includes an ability to conditionally affect application flow based on results obtained from a specified action.
- 29. The framework of claim 28, wherein application flow is affected by routing to a particular Web page.
- 30. The framework of claim 28, wherein said result obtained is either success or failure.
- 31. The framework of claim 30, wherein application flow is directed to a first page if a success is obtained as the result, and is directed to a second page if a failure is obtained as the result.
- 32. The framework of claim 28, wherein said application flow includes routing to a different page than is currently displayed in a user's browser.
- 33. The framework of claim 21, wherein said generic Web application activities include error recording.
- 34. The framework of claim 21, wherein said generic Web application activities include filtering of requests.
- 35. The framework of claim 21, wherein said generic Web application activities include page routing.
- 36. The framework of claim 21, wherein said generic Web application activities include activities that may be predefined before application execution.

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- 37. The framework of claim 21, wherein said customized command tag is invoked when an end user activates a link that points to a Web page containing the customized command tag.
- 38. The framework of claim 37, wherein said link comprises a Uniform Resource Locator (URL).
- 39. The framework of claim 37, wherein said Web page containing the customized command tag comprises a JSP (JavaServer Page) compatible page.
- 40. The framework of claim 21, further comprising: a tag library descriptor providing an association between a customized command tag and its corresponding Java class.
- 41. An improved method for Web application development, the method comprising: providing a Web-based application development framework built from a set of Java classes, said framework providing:

a non-programmatic tag framework that implements the functionality of the application framework when executing within a JavaServer Pages (JSP) page;

tag-based Web application objects controlling program flow, executing user commands, representing application business objects, and constructing output;

a non-programmatic tag framework that accesses data for logical business objects and allows page designers to specify an action to be performed;

embedding the tag-based Web application objects in a Web page of a Web application; and executing the Web application, including invoking the tag-based Web application objects.

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- 42. The method of claim 41, wherein said non-programmatic tag framework includes detecting and reporting error conditions to either a page developer or an end user running a Web browser.
- 43. The method of claim 41, wherein said set of Java classes run in a Java Virtual Machine (JVM).
  - 44. The method of claim 43, wherein said JVM is running at a Web server site.
- 45. The method of claim 41, wherein specified actions can be filtered by matching a tag attribute with an HTTP request parameter.